

**U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION II, REMOVAL ACTION BRANCH
POLLUTION REPORT**

I. HEADING

Date: October 28, 1999

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Subject: Cornell-Dubilier Electronics Site, Residential Cleanup,
South Plainfield, Middlesex County, New Jersey

POLREP: 8

II. BACKGROUND

Site No:	GZ
Delivery Order No.:	0017
Response Authority:	CERCLA
CERCLIS No.:	NJD981557879
NPL Status:	Final NPL
State Notification:	NJDEP and NJDHSS Notified
Status of Action Memorandum:	Approved September 19, 1998
Start Date RV2:	March 29, 1998
Completion Date RV2:	On-going
Start Date BB2:	March 15, 1999
Completion Date B2:	September 16, 1999
Start Date BB3:	September 23, 1999
Completion Date BB3:	On-going

III. SITE INFORMATION

The site is located in a mixed industrial, commercial and residential area of South Plainfield, New Jersey and consists of the Hamilton Industrial Park, adjacent contaminated residential and commercial properties and contaminated portions of the Bound Brook downstream of the

industrial park. Cornell-Dubilier Electronics operated at the industrial park from 1936 to 1962 and allegedly disposed of polychlorinated biphenyl (PCB) contaminated materials and other hazardous substances directly onto site soils. PCBs have been detected in soils and in building interiors at the industrial park, at adjacent residential and commercial properties and in the surface water and sediment of the Bound Brook.

In March 1997 EPA ordered the owner of the industrial park to take actions to stabilize the site. These actions included the installation of drainage controls to limit the movement of contaminants to the nearby Bound Brook through surface water run off; paving of driveways and parking areas in the industrial park to limit the generation and off-site migration of contaminated dust; and installation of a security fence to restrict access to contaminated areas, and prevent the tracking of contaminants into the surrounding community.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

The situation at the site has not changed significantly since the last report.

2. Removal activities (through 10/8/99).

Tier 1 Residential Soil Removal (BB2)

In August 1998 EPA ordered past owner/operator of the industrial park Cornell-Dubilier Electronics and current owner, DSC of Newark to conduct a removal action at six residential properties. These properties were included in the Tier 1 sampling conducted by EPA in October 1997 and are located southwest of the industrial park on Spicer Avenue.

Field activities including the removal of contaminated soil and restoration of disturbed areas were completed in May 1999.

On September 16, 1999 EPA sent a letter to the PRPs approving the Site Summary Report and providing notification of completion of the removal action specified in the Order.

Tier 2 Residential Soil Removal (BB2)

In March 1999, EPA ordered potentially responsible parties (PRPs) Cornell-Dubilier Electronics and Dana Corporation to conduct a removal action at an additional seven residential properties. These properties were included in the Tier 2 sampling conducted by EPA in April 1998 and are located west and southwest of the industrial park on Hamilton Boulevard and Delmore Avenue. In April 1999, EPA ordered potentially responsible parties DSC of Newark and Federal Pacific Electric to participate and cooperate in the remediation of the Tier 2 residential properties. DSC agree to comply with the terms of the Order. Federal Pacific Electric notified EPA that they do not intend to participate in the work.

On August 26, 1999 EPA approved the work plan for the Tier 2 residential soil removal.

On Thursday, September 23, the PRPs' Contractors mobilized to the site to setup support facilities including construction of an access road, tire wash station and soil staging pad. A stone access road was established between Spicer Avenue and a staging area located at the Hamilton Industrial Park. The stone road was designed to minimize off-site migration of contaminants by preventing the wheels of trucks and excavation equipment from coming into contact with existing site soils. Construction of the access road was completed on Friday, September 24.

A tire washing station was constructed at the entrance of the staging area. At this station, tires of vehicles exiting the staging area are inspected for accumulated soils and decontaminated if necessary. This area was stabilized with 4-6" of stone and lined by 4 layers of a 20-mil liner. Dry material is swept and added to the existing stockpile of contaminated soils awaiting treatment and disposal. A 55-gallon drum has been partially buried below ground level to collect water generated by tire washing. When full, the wash water will be pumped from the drum and transferred into another container for treatment and disposal.

On Monday, September 27, construction of a soil staging pad was completed. Geotextile fabric was placed over the native soils and covered with 4-6 inch layer of crushed stone. The stone was covered with a 20-mil liner and covered with a second layer of crushed stone. Poly sheeting was then placed over the stone as a final cover. A hay bail barrier was constructed around the staging pad to contain stockpiled soils. This pad will serve as a barrier between the native and stockpiled soils.

Excavation at Property AA, (346 Hamilton Boulevard) was initiated on September 27 and completed on September 28. Excavated soils were transported to the staging area for temporary storage.

Mini-rams were established onsite to monitor airborne dust levels resulting from the excavation of PCB contaminated soils. A water truck has also been mobilized to the site for dust suppression. A water mist will be employed during excavation activities in the event that air monitoring reading exceed 1.0 mg/m^3 . To date, air monitoring has not recorded readings above 0.2 mg/m^3 .

On Wednesday, September 29, excavation at Property X (115 Delmore Avenue) was initiated.

Site activities were postponed on Thursday, September 30, due to rain. Later that day, a tree removal service was mobilized to the site. Trees located within the excavation areas were removed.

On Friday, October 1, fence was installed at Property AA (346 Hamilton Boulevard) replacing the fence taken down during the excavation activities earlier in the week.

On Monday, October 4, excavation activities at Property X (115 Delmore) were completed.

Excavation activities at Property CC (119 Delmore Avenue) were initiated on Monday October 4 and completed Tuesday, October 5.

Excavation at Property BB (511 Hamilton Blvd) was initiated on Wednesday, October 6 and completed on Thursday October 7. Also on Thursday, excavations at Property AA (346 Hamilton Boulevard) were backfilled.

On Friday, October 8, the PRPs' Contractor initiated load out of PCB contaminated soils. A total of eight truck loads (approximately 293 tons) of soil were shipped to G.R.O.W.S. Landfill, Morrisville, Pennsylvania for treatment and disposal. Backfilling of Property BB (511 Hamilton) was also completed on October 8.

Other Site Activities

On October 8, EPA notified the owner of the industrial park that additional removal actions are necessary to stabilize the site and protect public health, welfare or the environment. The following actions are required:

characterize, remove and dispose of accumulated waste stored at the industrial park stored in the area formerly operated as a driving school; establish vegetative cover in unvegetated, unpaved areas of the industrial park; and repair and maintain drainage controls down gradient of unvegetated areas until permanent vegetative is established.

3. Enforcement

PRPs for the site have been ordered to remove contaminated soil from 7 Tier 2 residential properties.

B. Planned Removal Activities

Soil removal is underway at 7 Tier 2 residential properties. Interior cleaning is planned at 2 Tier 1 and 2 Tier 2 properties upon completion of the Tier 2 soil removal.

C. Next Steps

Continue excavation and restoration of Tier 2 Properties.

D. Key Issues

None.

V. COST INFORMATION (Fund-Lead Removal Actions through 10/27/99)

	<u>Amount Budgeted</u>	<u>Cost To Date</u>	<u>Amount Remaining</u>
ERRS Costs	\$ 332,000	175,150	156,850
START Costs	\$ 22,000	6,989	15,011
Contingency	\$ 21,000	n/a	21,000
EPA Costs	\$ <u>50,000</u>	<u>36,750</u>	<u>13,250</u>
Total Costs	\$ 425,000	\$ 218,889	\$ 206,111

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

VI. DISPOSITION OF WASTES

Waste stream	Medium	Quantity	Treatment	Disposal
Decontamination Solids (RV2)	Soil/Solids	4 drums	TSCA Landfill	CWM, Model City, NY
Decontamination Liquids (RV2)	Liquids	5 drums	Incineration	CWM, Model City, NY
Non-TSCA Regulated Soil (BB2)	Soil	1744 tons	Landfill	G.R.O.W.S. Morrisville, PA
TSCA Regulated Soil (BB2)	Soil	22 tons	Landfill	CWM, Model City, NY
Non-TSCA Regulated Soil (BB3)	Soil	293 tons	Landfill	G.R.O.W.S. Morrisville, PA